

SEQUENCE LISTING



<110> HOSTETTER, Margaret K.
DEVORE-CARTER, Denise

<120> ANTIBODIES TO THE PROPEPTIDE OF CANDIDA ALBICANS

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<140> US 09/964,858

<141> 2001-09-28

<150> US 60/237,082

<151> 2000-09-28

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<170> PatentIn version 3.1

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<212> PRT

<213> Candida albicans

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Pro Asn Ser Ser Ser Asp Thr Tyr Thr Ser Glu Gln Asp Gln Glu Lys
50 55 60

Gly Lys Glu Glu Lys Lys Asp Thr Ala Phe Gln Thr Ser Phe Asp Arg
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Asn Phe Asp Leu Asp Asn Ser Ile Asp Ile Gln Gln Thr Ile Gln His
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Gln Gln Gln Gln Pro Gln Gln Gln Gln Gln Leu Ser Gln Thr Asp Asn
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Asn Leu Ile Asp Glu Phe Ser Phe Gln Thr Pro Met Thr Ser Thr Leu
115 120 125

#7

C9

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Asp Leu Thr Lys Gln Asn Pro Thr Val Asp Lys Val Asn Glu Asn His
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Ala Thr Pro Lys Ala Ser Pro Lys Lys Val Ala Phe Thr Val Thr Asn
165 170 175

Pro Glu Ile His His Tyr Pro Asp Asn Arg Val Glu Glu Glu Asp Gln
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Ser Gln Gln Lys Glu Asp Ser Val Glu Pro Pro Leu Ile Gln His Gln
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Trp Lys Asp Pro Ser Gln Phe Asn Tyr Ser Asp Glu Asp Thr Asn Ala
210 215 220

Ser Val Pro Pro Thr Pro Pro Leu His Thr Thr Lys Pro Thr Phe Ala
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Gln Leu Leu Asn Lys Asn Asn Glu Val Asn Ser Glu Pro Glu Ala Leu
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Thr Asp Met Lys Leu Lys Arg Glu Asn Phe Ser Asn Leu Ser Leu Asp
260 265 270

Glu Lys Val Asn Leu Tyr Leu Ser Pro Thr Asn Asn Asn Asn Ser Lys
275 280 285

Asn Val Ser Asp Met Asp Ser His Leu Gln Asn Leu Gln Asp Ala Ser
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Lys Asn Lys Thr Asn Glu Asn Ile His Asn Leu Ser Phe Ala Leu Lys
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Ala Pro Lys Asn Asp Ile Glu Asn Pro Leu Asn Ser Leu Thr Asn Ala
325 330 335

Asp Ile Ser Leu Arg Ser Ser Gly Ser Ser Gln Ser Ser Leu Gln Ser
340 345 350

Leu Arg Asn Asp Asn Arg Val Leu Glu Ser Val Pro Gly Ser Pro Lys
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Lys Val Asn Pro Gly Leu Ser Leu Asn Asp Gly Ile Lys Gly Phe Ser
370 375 380

Asp Glu Val Val Glu Ser Leu Leu Pro Arg Asp Leu Ser Arg Asp Lys
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Leu Glu Thr Thr Lys Glu His Asp Ala Pro Glu His Asn Asn Glu Asn
405 410 415

Phe Ile Asp Ala Lys Ser Thr Asn Thr Asn Lys Gly Gln Leu Leu Val
420 425 430

Ser Ser Asp Asp His Leu Asp Ser Phe Asp Arg Ser Tyr Asn His Thr
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Glu Gln Ser Ile Leu Asn Leu Leu Asn Ser Ala Ser Gln Ser Gln Ile
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Ser Leu Asn Ala Leu Glu Lys Gln Arg Gln Thr Gln Glu Gln Glu Gln
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Thr Gln Ala Ala Glu Pro Glu Glu Glu Thr Ser Phe Ser Asp Asn Ile
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Lys Val Lys Gln Glu Pro Lys Ser Asn Leu Glu Phe Val Lys Val Thr
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Ile Lys Lys Glu Pro Val Ser Ala Thr Glu Ile Lys Ala Pro Lys Arg
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Glu Phe Ser Ser Arg Ile Leu Arg Ile Lys Asn Glu Asp Glu Ile Ala
530 535 540

Glu Pro Ala Asp Ile His Pro Lys Lys Glu Asn Glu Ala Asn Ser His
545 550 555 560

Val Glu Asp Thr Asp Ala Leu Leu Lys Lys Ala Leu Asn Asp Asp Glu
565 570 575

Glu Ser Asp Thr Thr Gln Asn Ser Thr Lys Met Ser Ile Arg Phe His

580

585

590

Ile Asp Ser Asp Trp Lys Leu Glu Asp Ser Asn Asp Gly Asp Arg Glu
595 600 605

Asp Asn Asp Asp Ile Ser Arg Phe Glu Lys Ser Asp Ile Leu Asn Asp
610 615 620

Val Ser Gln Thr Ser Asp Ile Ile Gly Asp Lys Tyr Gly Asn Ser Ser
625 630 635 640

Ser Glu Ile Thr Thr Lys Thr Leu Ala Pro Pro Arg Ser Asp Asn Asn
645 650 655

Asp Lys Glu Asn Ser Lys Ser Leu Glu Asp Pro Ala Asn Asn Glu Ser
660 665 670

Leu Gln Gln Gln Leu Glu Val Pro His Thr Lys Glu Asp Asp Ser Ile
675 680 685

Leu Ala Asn Ser Ser Asn Ile Ala Pro Pro Glu Glu Leu Thr Leu Pro
690 695 700

Val Val Glu Ala Asn Asp Tyr Ser Ser Phe Asn Asp Val Thr Lys Thr
705 710 715 720

Phe Asp Ala Tyr Ser Ser Phe Glu Glu Ser Leu Ser Arg Glu His Glu
725 730 735

Thr Asp Ser Lys Pro Ile Asn Phe Ile Ser Ile Trp His Lys Gln Glu
740 745 750

Lys Gln Lys Lys His Gln Ile His Lys Val Pro Thr Lys Gln Ile Ile
755 760 765

Ala Ser Tyr Gln Gln Tyr Lys Asn Glu Gln Glu Ser Arg Val Thr Ser
770 775 780

Asp Lys Val Lys Ile Pro Asn Ala Ile Gln Phe Lys Lys Phe Lys Glu
785 790 795 800

Val Asn Val Met Ser Arg Arg Val Val Ser Pro Asp Met Asp Asp Leu
805 810 815

Asn Val Ser Gln Phe Leu Pro Glu Leu Ser Glu Asp Ser Gly Phe Lys
820 825 830

Asp Leu Asn Phe Ala Asn Tyr Ser Asn Asn Thr Asn Arg Pro Arg Ser
835 840 845

Phe Thr Pro Leu Ser Thr Lys Asn Val Leu Ser Asn Ile Asp Asn Asp
850 855 860

Pro Asn Val Val Glu Pro Pro Glu Pro Lys Ser Tyr Ala Glu Ile Arg
865 870 875 880

Asn Ala Arg Arg Leu Ser Ala Asn Lys Ala Ala Pro Asn Gln Ala Pro
885 890 895

Pro Leu Pro Pro Gln Arg Gln Pro Ser Ser Thr Arg Ser Asn Ser Asn
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Lys Arg Val Ser Arg Phe Arg Val Pro Thr Phe Glu Ile Arg Arg Thr
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Ser Ser Ala Leu Ala Pro Cys Asp Met Tyr Asn Asp Ile Phe Asp Asp
930 935 940

Phe Gly Ala Gly Ser Lys Pro Thr Ile Lys Ala Glu Gly Met Lys Thr
945 950 955 960

Leu Pro Ser Met Asp Lys Asp Asp Val Lys Arg Ile Leu Asn Ala Lys
965 970 975

Lys Gly Val Thr Gln Asp Glu Tyr Ile Asn Ala Lys Leu Val Asp Gln
980 985 990

Lys Pro Lys Lys Asn Ser Ile Val Thr Asp Pro Glu Asp Arg Tyr Glu
995 1000 1005

Glu Leu Gln Gln Thr Ala Ser Ile His Asn Ala Thr Ile Asp Ser
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Ser Ile Tyr Gly Arg Pro Asp Ser Ile Ser Thr Asp Met Leu Pro
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Tyr Leu Ser Asp Glu Leu Lys Lys Pro Pro Thr Ala Leu Leu Ser
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 Ala Asp Arg Leu Phe Met Glu Gln Glu Val His Pro Leu Arg Ser
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 Ser Ala Asn Thr Val Arg Gly Asp Asp Asp Gly Leu Ala Ser Ala
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 Pro Glu Thr Pro Arg Thr Pro Thr Lys Lys Glu Ser Ile Ser Ser
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 Lys Pro Ala Lys Leu Ser Ser Ala Ser Pro Arg Lys Ser Pro Ile
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 Ala Gly Ile Glu Pro Ile Pro Lys Ala Thr His Lys Pro Lys Lys
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 Ser Phe Gln Gly Asn Glu Ile Ser Asn His Lys Val Arg Asp Gly
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 Gly Ile Ser Pro Ser Ser Gly Ser Glu His Gln Gln His Asn Pro
 1235 1240 1245

C9

11

Ser Met Val Ser Val Pro Ser Gln Tyr Thr Asp Ala Thr Ser Thr
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Val Pro Asp Glu Asn Lys Asp Val Gln His Lys Pro Arg Glu Lys
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Gln Lys Gln Lys His His His Arg His His His His His His Lys
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Gln Lys Thr Asp Ile Pro Gly Val Val Asp Asp Glu Ile Pro Asp
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Val Gly Leu Gln Glu Arg Gly Lys Leu Phe Phe Arg Val Leu Gly
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Ile Lys Asn Ile Asn Leu Pro Asp Ile Asn Thr His Lys Gly Arg
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Phe Thr Leu Thr Leu Asp Asn Gly Val His Cys Val Thr Thr Pro
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Glu Tyr Asn Met Asp Asp His Asn Val Ala Ile Gly Lys Glu Phe
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Glu Leu Thr Val Ala Asp Ser Leu Glu Phe Ile Leu Thr Leu Lys
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Ala Ser Tyr Glu Lys Pro Arg Gly Thr Leu Val Glu Val Thr Glu
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Lys Lys Val Val Lys Ser Arg Asn Arg Leu Ser Arg Leu Phe Gly
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Ser Lys Asp Ile Ile Thr Thr Thr Lys Phe Val Pro Thr Glu Val
1415 1420 1425

Lys Asp Thr Trp Ala Asn Lys Phe Ala Pro Asp Gly Ser Phe Ala
1430 1435 1440

Arg Cys Tyr Ile Asp Leu Gln Gln Phe Glu Asp Gln Ile Thr Gly
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Lys Ala Ser Gln Phe Asp Leu Asn Cys Phe Asn Glu Trp Glu Thr

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Pro Arg Glu Ile Leu Pro Thr	Ser Ile Arg Ser Ala	Tyr Glu Ser		
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Leu His Gln Glu Gly Gly Asp	Cys Pro Ile Phe Lys	Lys Arg Phe		
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Phe Lys Leu Met Gly Thr Ser	Leu Leu Ala His Ser	Glu Ile Ser		
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His Lys Thr Arg Ala Lys Ile	Asn Leu Ser Lys Val	Val Asp Leu		
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Arg Phe Arg Arg Gln Pro Trp	Val Asn Leu Met Leu	Gln Gln Gln		
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AT

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C9

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